

INVESTIGATION NOTES

LAND & LAKES LANDFILL, INC.
CHICAGO, ILLINOIS

PUMP DISCHARGE

DATE & TIME:

AUGUST 16, 1978
3:00 P.M.

ACCOMPANIED BY:

LARRY ZIEMBA, EPE

A visit was made to the subject facility's property located at South Stony Island Avenue, north of 122nd Street to check if they are pumping water from said property into Lake Calumet.

The following is a list of what took place and what was observed:

1. The facility was pumping at that time to a 24 inch diameter concrete that discharges into Lake Calumet. The effluent was very turbid and emitted a slight rotten odor. The turbidity was apparently due to the storm the previous day.
2. The water level in the pond has substantially decreased, evidence of continued pumping, as compared to observations made during the previous visit which was on August 11, 1978.
3. Water samples were obtained from the end of the discharge line of the pump and transported to the IEPA laboratory in Chicago for analysis. The laboratory analysis sheet is attached.

Francisco M. Sabugal
Francisco M. Sabugal, Environmental
Protection Engineer

FMS/gkp

EPA Region 5 Records Ctr.



358222

RECEIVED
Field Operations Section

OCT 31 1978

Environmental Protection Agency
State of Illinois

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY - DIVISION OF WATER POLLUTION CONTROL

SPECIAL ANALYSIS FORM

00607 AUG 17 78

Sample Collected 3:00 PMSub-Basin MAYWOODDate Collected 8/16/78Collector L. E. ZICKBACH / F. SABLUGHFacility Name: LAND AND LAKESFacility Number: LANDFILLFile Town: RENTON

Team Name(s):

Stream Code:

Source of Sample: (Exact Location) PUMP DISCHARGE FROM FACILITY'SPONDVisual Observations, Remarks: PUMP DISCHARGE VERY TURBID WITH SLIGHTPOTTEN ODOR. EFFLUENT IS BEING DISCHARGED TO A 24"R.C. PIPE TRIBUTARY TO LAKE CALUMET

Field Dissolved Oxygen

Field pH

Field Temp. 230.000 Arsenic

Coliform/100ml

23

BOD

0.2 Barium

Fecal Coliform

410

COD

4.2 Boron

Fecal Strep

TS/EC

2.00 Cadmium

Algae (Total) /ml

280

Susp. Solids

0.04 Copper

Ammonia (N)

62

Vol. Susp. Solids

Interference Chromium (tri)

Organic Nitrogen (N)

8.5

pH (units)

Interference Chromium (hex)

Nitrate + Nitrite (N)

Turbidity (JTU)

6.0 Iron (Total)

Phosphorus (P)

Hardness

Iron (Dissolved)

Chloride

750

Alkalinity

0.10 Lead

Fluoride

Total Acidity

0.63 Manganese

Sulfate

Free Acidity

Interference Mercury (ppb)

Cyanide

Oil

0.1 Nickel

MBAS

2510Other (Specify) ROE0.00 Selenium

Phenol (ppm)

0.00 Silver0.2 ZincUnits in mg/l unless
otherwise noted.

Recycled Paper

Total Chromium - 0.63

Transported by: M. F. FungReceived by: RECEIVEDTransported by: SEP 21 1978Received by: CHICAGO

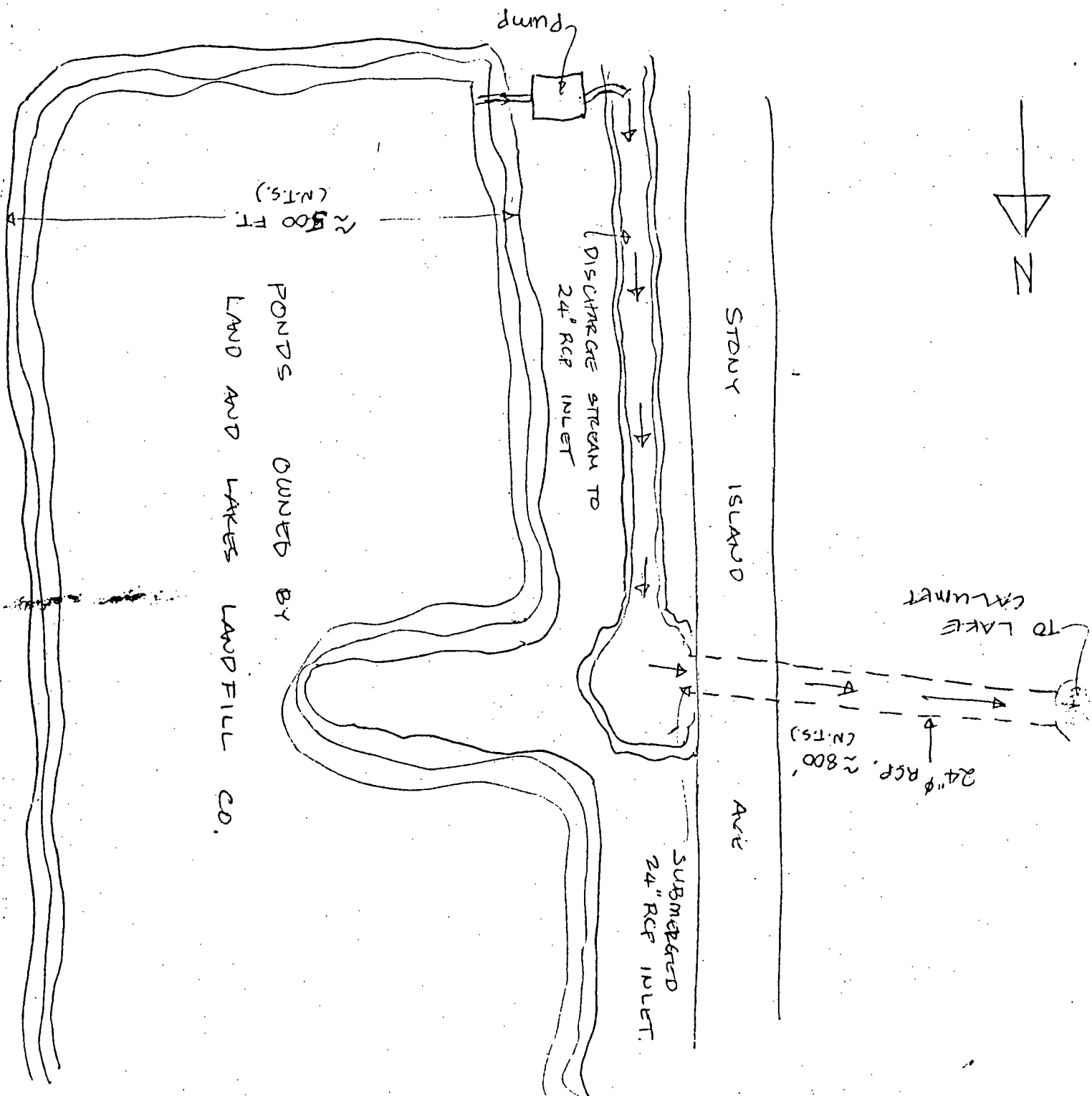
FOR LAB USE ONLY

Lab Number: 0000607 Rec'd by: A. MutchDate sample rec'd: 8-17-78 Time: 9:10Date analysis completed: 9-18-78Date results forwarded: 9-19-78Total Tests requested: 33 Tests run: 30Lab Section: Chicago Supervisor: Daugherty

REG. 2



LAND AND LAKES
LANDFILL CO.



Land & Lakes

DATE: 8-16-78

TIME: 3:05PM

PHOTO BY: F. Sabugal

COMMENTS: Looking SE. Note color of pond and suction hose of pump.



DATE: 8-16-78

TIME: 3:00PM

PHOTO BY: F. Sabugal

COMMENTS: Looking north between Stony Island Avenue and the ponds. Note foam and turbid discharge. Blue hose is discharge side of pump. Discharge is into a 24" RCP inlet pipe going to Lake Calumet.



DATE: 8-16-78

TIME: 3:30 PM

PHOTO BY: F. Sabugal

COMMENTS: Looking East. Discharge end of 24" RCP draining the ponds to Lake Calumet. Note reddish-brown color of discharge. Ponds are 800' away on the background.



DATE: 8-16-78

TIME: 3:30PM

PHOTO BY: F. Sabugal

COMMENTS: Looking west towards Lake Calumet. Note Discharge stream from 24" RCP.

